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BLOOMFIELD, N. J., SATURDAY, AUGUST 3, 1889.

The Bloomfield Citizen.

WEEKLY JOURNAL News and Home Reading

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COMFIELD, ESSEX COUNTY, N. J.

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S. MORRIS HULIN, Publisher. Letters on the French Revolution. THE CITIZEN takes pleasure in calling the attention of its readers and particu arly those fond of history to a series of articles on the French Revolution, the publication of which is begun in this in the world weeks issue by arrangement with the A crican Press Association. The author world's history furnishes a more thrilling

Each article will be found extremely intreated dispossionately. No epoch in the parrative than a chronicle of the events occurring in France during the period from 1789 to 1795. A perusal of these soliciting patents in the connection with articles will be found highly instructive. The revolution marks an important era a the great struggle for civil and religious | patents for upwards of one hundred thoutherty which was contemporary with the sand inventors in the United States, and formation of the American Republic The articles will number twelve in all, the Patent Office in a single month as and are divided under the following titles: The Brooding Tempest, ' touching on tire first year of their business career. the causes and sketching the events of Office grow from a sapling to a sturdy oak, [789; second, "The Master Spirit," briefly and he modestly hinted that many recapitulating the character ane career thought the Scientific American, with of Mirabeau, and the exciting events of its large circulation, had performed no to 1791; Taird, "Taking of the Bas- advancing the interest of the Patent ebrated; Fourth, "Begirt by His Foes," portraying the weakness of Louis XVI; hundred persons employed on the ifth, "Execution of a King," recounting four publications issued weekly and Marie Autoinette, incredible cruelties the Scientific American Supplement, the Scientific American Supplement, the SCIENTIFIC AMERICAN SC Unbiasd View"-the upheaval re- ers Edition of the Scientific American. The first two publications are issued every week, and the latter two, the first of every "Execution of Danton," his courge and flery character considered ; Tenth,

den. Bonaparte in the Rue St. Honore. Electric Lights.

Brought to a Close," events marking

le termination of the reign of terror;

seventh, "Their End Recorded," last

avs of some of the noted leaders;

wellth, "Close of the Revolution, 1795"

(To The Cisizen ) It is conceded by all that sooner or ater both Bloomfield and Montclair will ave electric lights, and to many it seems as if now is the time.

In Matclair an expression of opinion was asked of some 30 business men on Bloomfield avenue, and they were unanimonely in favor of it, and all who have wen seen around the Centre in Bloomseld express the same opinion, if it does and cost any more than gas. That it will of is proved by the fact that it is known that a proposition has been made to the Township Committee looking to the outav of a large amount of money for estabshment of a permanent plant here, and a-king for the franchise for commercial, orposes and agreeing that if the same - Immted they stand ready to compete with gas on the basis of \$2.00 per 1,000 bet, or less for public lighting. Doubt--- There are other companies ready with wilar or perhaps better propositions. the Bloomfield Improvement Associa-Lou at its last meeting decided unanimays y to recommend to the Township committee the lighting of the town with andescent lights. If Bloomfield ave-

and streets between the railroad dehads were lighted by electricity it would - many steps in the line of progress; In connection with the question a comparison with another place may be of adtantage. The city of Plainfield is lighted by the Deandescent light. They have 24 The lamps are 24 candle They burn all night and every high and cost in the central district \$15 ret houp per year.

We hope the Township Committee will the the citizens an opportunity to give a expression of opinion on this importall matter before making a decision. PROGRESS.

F---- 1 A Suspension in the Clothing Busi-

be great closing out sale of fine cassiw mark-down s les all over town.

Afound the corner of Broad and Market female, found running at large within the Streets, where many are getting bargains limits of said Township, on and after the which they will remember, and the first first day of June next, until the first day windsamest patterns. Fine cassimere of November next, Acept such as shall be ivers always get the finest goods and lents silk and satin trimmed, for \$3 a properly muzzled, with a wire muzzld pair, and complete suits of elegant Sax- about the nose, securely fastened; prosound the art the end of each season, as shall apply to a dog or dogs of a non-resithey have neither the room nor desire to dent passing through the town, accomparty over even the choicest garment. her the elegant garments they are now be here the handsomest goods from dog or dogs. Aming them, but remember they are to day of May, 1889. he detailed only among their customers and no dealer who wishes to buy to sell sgala need apply. - Newark Press.

Progress of Inventions Since 1845. In the year of 1845 the present owners of the Scientific American newspaper commenced its publication, and soon after established a bureau for the procuring of patents for inventions at home and in foreign countries. During the year 1845 there were only 502 patents issued from the U.S. patent office, and the total issue from the establishment of the Patent Office, up to the end of that year, number ed only 4,347.

Up to the first of July this year there have been granted 406,413. Showing that sence the commencement of the publication of the SCIENTIFIC AMERICAN there have been issued from the U.S. Patent Office 402,166 patents, and about one third more applications have been ma'e than have been granted, showing the ingenuity of our people to be phenomenal, and much greater than ever the enormous number of patents indicates. Paobably a good many of our readers have had business transacted through the offices of the SCIENTIFIC AMERICAN' in New York or Washington, and are familiar with Munn & Co's. mode of business, but those who. have not will be interested in knowing something about this, the oldest patent soliciting firm in this country, probably

Persons visiting the offices of the SCIEN-TIFIC AMERICAN, 361 Broadway, N. Y .. for the first time will be surprised, on Mr. Junius Henri Browne, whose well- entering the main office, to find such an known name and reputation sufficiently extensive and elegantly equipped estabrantees the high quality of the work, lishment, with its walnut counters, desks mous safes; and such a large number of enesting, the subject and characters draughtsmen, specification writers, and clerks, all busy as bees, reminding one of a large banking or insurance office, with its hundred employees.

In conversation with one of the firm, who had commenced the business of the publication of the SCIENTIFIC AMER-ICAN, more than forty yearf ago, I learned that his firm had made application for several thousands in different foreign countries, and had filed as many cases in there were patents issued during the en-This gentleman had seen the Patent the centennial of which was recently Office. But it is not alone the patent soliciting that occupies the attention of one hundred persons employed by Munn & Co

Commendable. All c'aims not consistent with the high character of Syrup of Figs are purposely avoided by the Cal. Fig Syrup Company. It acts gently on the kidneys, liver and bowels, cleansing the system effectually, but it is not a cure all and makes no pre-tensions that every bothle will not substan-



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KIDNEYS, LIVER AND BOWELS. It is the most excellent remedy known to CLEANSE THE SYSTEM EFFECTUALLY When one is Bilious or Constipated PURE BLOOD, REFRESHING SLEEP,

HEALTH and STRENCTH NATURALLY FOLLOW.

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MANUFACTURED ONLY BY CALIFORNIA FIG SYRUP CO SAN FRANCISCO, CAL. NEW YORK, N. Y. LOUISVILLE, KY

PROCLAMATION CONCERNING DOGS IN THE TOWNSHIP OF BLOOMFIELD . The Township Committee of the townfacts plants at 13 a pair, and elegant suits ship of Bloomfield, in the County of Esof all, by Watson & Co., is causing sex, and myself, Township Clerk of the a must a suspension of the clothing busi- said township, being of the opinion that here it this city, and has been followed the public safety requires the issuing of A Hollow Watson & Co., but the crowd this proclamation. I, Edward F. Farlayers, you will notice, fill their store rand the said Township Clerk, by the ad-These many larger ones appear so dull vice of the said Township Committee, do hereby authorize the destruction by any will probab y be very lively person or persons, of all dogs, male and ast garment, which is the policy of Watpanied by the owner or ewners, of such we stay.

hands in the world can be found Dated at Bloomfield, N. J., this 20th

EDWARD, F. FARRAND, Township Clerk. Headquarters for

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GERMAN SELTRER-NIDERSELTZER SPRING Iamfers 50 Quart Jugs. Hampers 50 Pint Jugs. Iunyadi Janos. Bitter. Sulis. Rubinat Condal BOMESTIC. STRONTIA, Still Water, Case 121/2 Gal Bottles. Clysmic, Hathorn, Congress, Geyser Po-and, Buffalo Lithia (Case 124 Gai, Bottles. 

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That were \$5.50, now \$3.98. That were \$8.50, now \$4.98. Beaded Wraps That were \$5.00, now \$2.98.

That were \$6.00, now \$3.98.

That were \$10.00 now \$4.98. lerseys We still have a good assortment of the Special Jerseys and Blouses advertised last week.

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SOMETHING ABOUT THE ABYSSES FOF THE PACIFIC OCEAN.

abmarine Valleys Along the California Coast-"Shallow Water" Six Thousand Feet in Depth-A Horn Shaped Plateau That Serves as a Connecting Link.

The peculiarity of the Pacific ocean is that it can be divided into two distinct parts, the dividing line being the merid ian of 150 degs. west. The eastern half, that which laves our shores, is remarkable for the absence of islands and the uniform nature of its depth, for, with the exception of the narrow strip of shallow water surrounding the Aleutian Islands, and running along the American coast, the sounding line shows an average depth of from 2,000 to 3,000 fathoms, undiversified by any remarkable elevations or depressions. The only noteworthy exception to this great and equal depth is a great submarine plateau, which extends out from the Patagonian coast, and which rises to between 2,000 and 1,000 fathoms from the surface. This plateau is horn shaped, and is evidently a connecting link between the South American continent and the Australian archipelago.

PARTIALLY INCLOSED SEAS. The western half of the Pacific ocean is a complete contrast to the eastern. Archipelagos and scattered islands-are exceedingly numerous, and the depth of the ocean is uniform, shallows occurring scattered over it at irregular intervals Along the Asiatic coast and between the island groups there are a number of partially inclosed seas, and these are separated from the great ocean by submarine plateaus of sufficient extent and height to warrant the supposition that a moderate upheaval would extend the Asiatic entinent as far south as Australia, transforming the seas into inland salt lakes. Considerations of the peculiar animal and vegetable life of New Zealand and Australia lend probability to the speculation that these islands were joined to the main continent of Asia at some remote period, and it is even possi-ble to trace the submerged coast line of the great continent which then existed. The same upheaval acting upon the plateau extending out from the Patagonian shore would almost make the Pacific a land locked ocean, the entrance to it being between the point of the new land stretching out to 121 degs, east latitude and another headland formed by what is now Ducie Island, lying in the same lat-

itude, but about 10 degs. further north. As has been said, there runs along the American shore a narrow strip of shallow water, but the term shallow is only to be taken in its comparative sense. I is from 50 to 200 miles wide, the depth running from nothing to 1,000 fathoms. Outside this again is another strip of not quite so uniform a width, wherein the depth reached 2,000 fathoms, quite deep enough to drown a tall man. The uniform character of the sea's depth is quite marked along the Californian shore, but even here there are ups and downs, shallows and depths. The coast line has a strip of water as its immediate border, in which the depth keeps at about twelve fathoms along a ledge or plateau for a few miles out, and then drops sheer down for 500, 600 and 1,000 fathoms. This shore ledge is quite well defined and generally unbroken, but in it there sometimes occurs a crevasse or valley, whose exploration is a matter of much curious interest. Directly off Point Hueneme, at the entrance to the Santa Barbara channel, there is found a remarkable example of one of these submarine valleys. Commencing with a depth of ten fathoms 400 yards from the beach, it increases to fifty fathoms in five-eighths of a mile and then drops suddenly to 113 fathoms, or 678 feet, in

less than two miles. Its general direction is south, and it is bounded all round by depths of from twelve to fifteen Another remarkable example of the submarine valley has been discovered. and to some extent traced out in Monterey bay by Commodore James Alden. The head of this valley is five-eighths of a mile south of the Salinas river, and the twenty fathom line is only a quarter of a mile off the beach, the depth increasing to fifty fathoms in the next quarter of a mile. At this distance from shore the twenty fathom lines are three-eighths of a mile apart. The general direction of the valley for the next two miles is southeast, where there is a depth of 117 fathoms, the fifty fathom lines running about five-eighths of a mile apart; thence the valley runs about west, reaching the depth of 170 fathoms in a mile and 240 fathours in three and one-quarter miles; with forty-two fathoms less than a mile to the north. The soundings are not numerous enough to trace its outlines in deep water, but the indications are for ten miles of its length that it runs southwest, with no bottom at 315 fathonis. It would appear from this description that this valley is really an enormous canyon that opens through the shore line ledge

clear out and down into the deep water the 1,000 fathom belt. here again the terms deep and crevasse are to be taken in their comparative sense. These submarine valleys of the coast line heige have their dimensions. it is true, but they sink into utter insignificance beside the abysses which mark the bed of the great ocean, abysses which seem to drop clear to Tophet or Davy Jones locker. To the east of the Kurile Islands and Japan there lies a crescent shaped space of deep water that really merits the term. It extends from fifty degrees north latitude to nearly twenty degrees north latitude, or for 1,800 miles, although it is of no great breadth. The average depth of this area is nearly 4,000 fathoms-that is, nearly 24,000 feet. This is deep enough in all conscience, but along its western margin. and lying like a ditch across the entrance. to the sea of Okhotsk, is an abyss where the United States ship Tuscarora found depths of over 4,600 fathorns that is, of over 27,600 feet, or a hole about deep enough to hold Mount Everest if turned upside down and placed within it. - San

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